

**WHAT'S  
THE SMARTEST  
CHOICE YOU CAN  
MAKE IN AN  
ELECTRONIC  
KEYBOARD?**





# THE HARDEST CHOICE!

That's right. The smartest choice you can make today in an electronic keyboard is the hardest choice.

Why?

Because that choice comes in the form of not one but two irresistible instruments: The Yamaha PSR-90 and PSR-80.

The PSR-90 and 80 are made for those who want real power in a keyboard but don't want to break the bank to get it. They come with everything: 61 full-size keys; hundreds of sounds with genuine FM and PCM tone generation—good enough for professional recordings; accompaniment and song

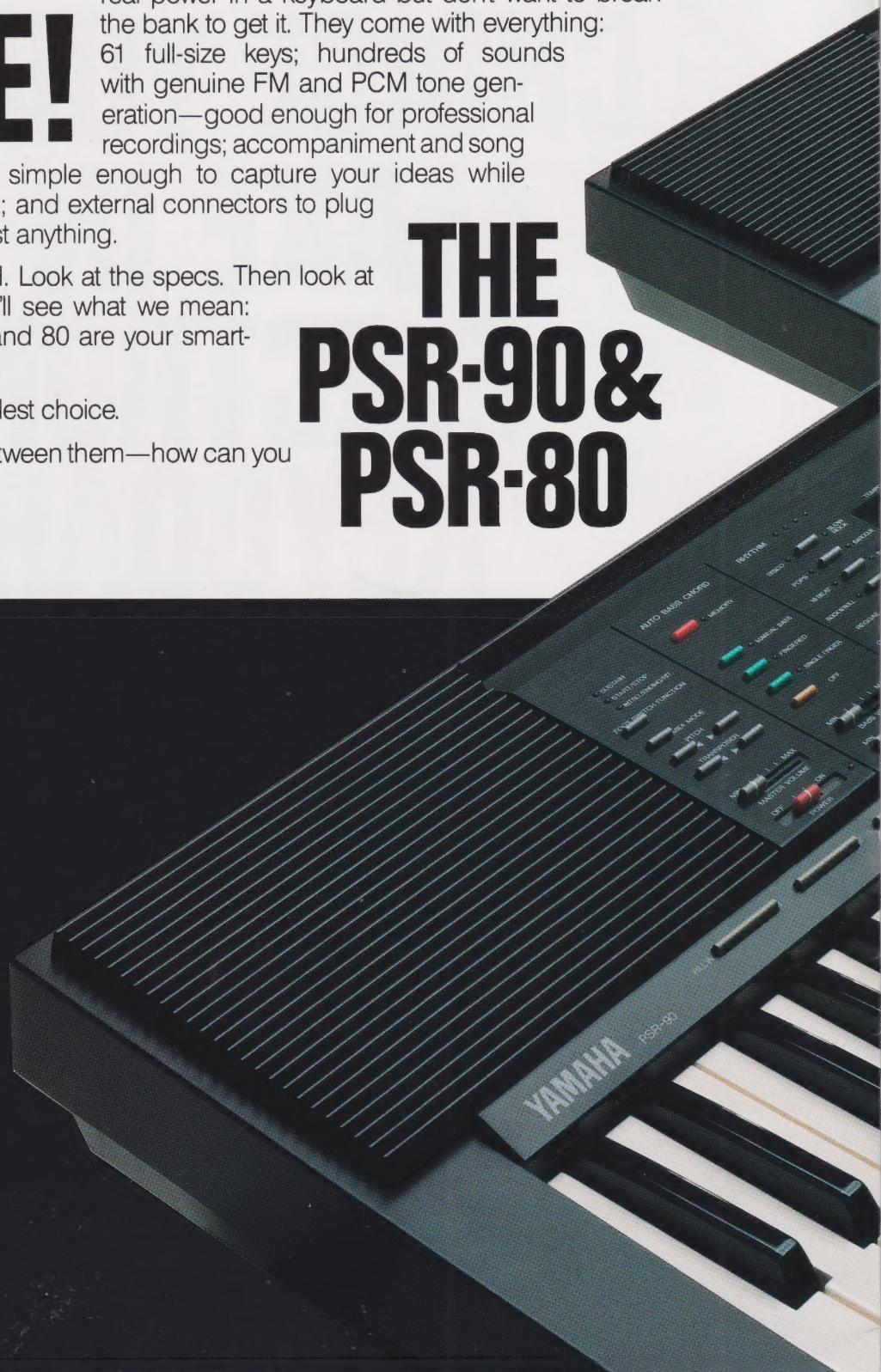
programmers simple enough to capture your ideas while they're still hot; and external connectors to plug you into almost anything.

Check around. Look at the specs. Then look at the price. You'll see what we mean: The PSR-90 and 80 are your smartest choice.

And your hardest choice.

Because—between them—how can you choose?

## THE PSR-90 & PSR-80









# SOUND OF THE PROS

The PSR-90 and 80 offer the same high quality digital sounds you hear on many of today's pop recordings.

They feature Yamaha's unique FM (Frequency Modulation) tone generation—a digital process that accurately reproduces the sounds of real acoustic instruments, and also generates high quality synthesizer sounds.

They also feature PCM (Pulse Code Modulation) tone generation—or digitally "sampled" recordings of actual percussion instruments—which reproduces the sound of *real* drums.

# VOICES

The PSR-90 and 80 offer an incredibly wide scope of musical instrument sounds—everything from traditional brass and strings to modern electric piano and plucksynth.

## Polyphonic Orchestra Section

Both models feature a powerful polyphonic Orchestra section with 16 preset Orchestra instruments, plus a new *Voice Variator* that provides 25 variations on each voice.



For example, using the Voice Variator, you can make a voice's tone brighter, or mellower, or





make its attack rate (how quickly the notes start to sound when you press the keys) faster or slower.

When you combine the preset sounds with all of the possible Voice Variator selections, the PSR-90 and 80 offer a total of 400 Orchestra sounds!

A Duet feature adds automatic harmonies as you play. Sustain adds room ambience, and stereo Chorus adds depth and spatial movement to the voice.

## Monophonic Solo Section

Both models feature a monophonic Solo section that incorporates a versatile sweep of lead instruments, including trumpet, violin, popsynth, and more.

The PSR-90's Solo section also features a Voice Variator(which gives

it a total selection of 400 voices) and Sustain.

## Keyboard Split, Registration Memory

The PSR-90 features three keyboard split points, which let you play an Orchestra voice to the left of the assigned split point, and a Solo voice to the right.

The PSR-90's Registration Memory lets you store up to three panel settings—including voices, rhythms, volumes, and more—for instant recall.

## Fine Tuning

Both models incorporate a Transposer for changing the key within a one-octave range, as well as a Pitch control for matching the pitch to other instruments or a vocalist.



The PSR-90 (above) and 80 (left).



# RHYTHMS

The PSR-90 and 80 feature a wide selection of rhythms—every popular style from rock'n'roll to rhumba. All of the rhythms include matching bass and chord accompaniments that you can play with one finger or more.

## Large Group, Small Group



The rhythm section's unique *Rhythm Variator* lets you select large group or small group ensembles for each preset rhythm. When you combine the preset rhythms with all of the Large Group and Small Group variations, the PSR-90

and 80 offer a total of 144 on-board automatic accompaniment patterns.

There are rhythm fill-in patterns too, as well as intros, endings, and even ritardando endings.

The Keyboard Percussion feature lets you play the 11 latin percussion instruments and 22 drum sounds from the keyboard in real-time.

The PSR-90's multi-function footswitch (optional) lets you start and stop the rhythm in the middle of your performance, or add intro or ending patterns—by foot.

## ACCOMPANIMENT CREATION

Both models incorporate a Custom Accompaniment programmer that lets you not only modify the preset rhythm, bass and chord



Save your data in RP-5 RAM packs (PSR-90 only).

patterns, but also create your own patterns from scratch.

If you make a mistake, you can clear the pattern you're working on and start again.

The PSR-90's Custom memory banks let you store up to three of your own patterns.

## SONG PROGRAMMING

The PSR-90 and 80 feature song programmers that let you capture inspiration without spending all of your

time punching buttons. The PSR-80's Chord Sequencer lets you record a complete song in real-time for automatic playback.

The PSR-90's Music Programmer, a four-track digital recorder, lets you program a complete performance of Accompaniment, Solo, and Orchestra parts—either several at a time, or by overdubbing in separate passes. If you want, you can go back and correct the Bass part. (The Music Programmer also remembers volume and registration changes.)



# SAVE YOUR DATA

You can also store data digitally on cassette tape.

# THEY GROW WITH YOU

The PSR-90 features RAM pack data storage that lets you store Music Programmer, Registration and Custom Accompaniment data in convenient RP-5 RAM packs.

The PSR-90 and 80 are set up to grow along with your music requirements; they can be the hub of a multi-instrument system, or they can be a powerful addition to a system that you may already have.

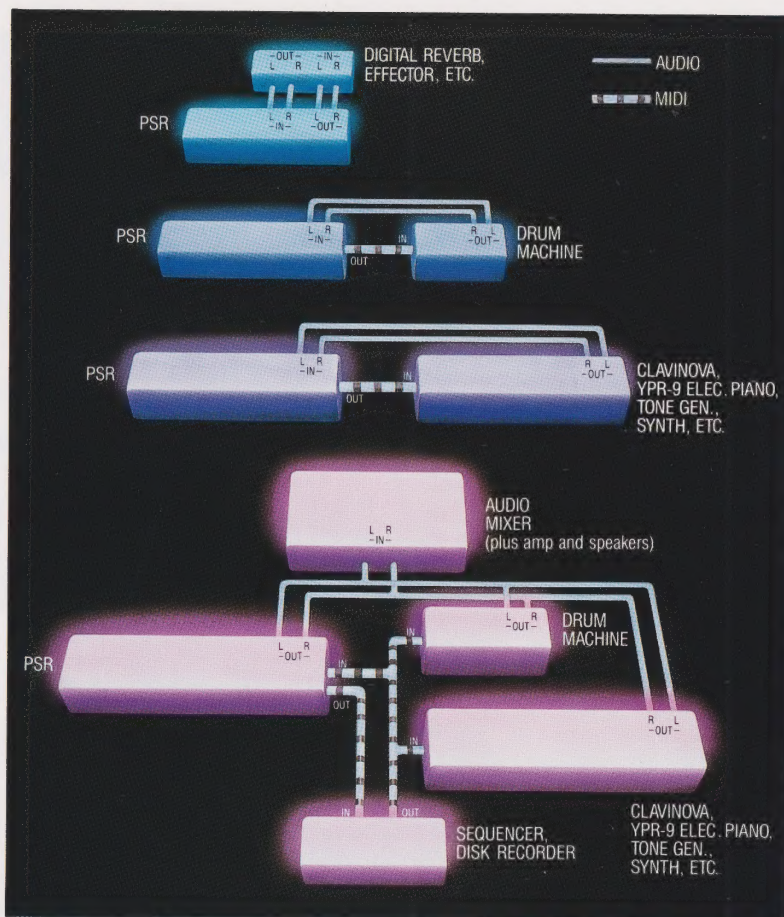
## Connect Other MIDI Instruments

Since both models have versatile MIDI implementation, you can connect them to other MIDI-equipped instruments and devices and build up your ultimate music system.

For example, you can connect your PSR-90 or 80 to a second electronic keyboard and play the second keyboard's voices from the PSR, for greatly expanded sound texturing combinations.

Or you could connect an external drum machine to the PSR and have them play together in perfect synchronization.

Or you could hook up an external



sequencer or master keyboard and use the PSR-90 or 80 as a super tone generator, playing its Orchestra, Solo, Chord, Bass and percussion sounds on each of their respective channels.

## Connect External Effects

Both models also feature—for the first time ever—extra "Optional" stereo outputs (sends) and inputs (returns) for direct connection with external reverb, delay, or other electronic effects.



Input and output jacks(PSR-90).



## PSR-90

**Keyboard** 61 keys (C<sub>1</sub>—C<sub>6</sub>)

**Orchestra Voice Section** Brass (1, 2), Brass & Chimes, Clarinet, Strings, Jazz Organ, Pipe Organ, Cosmic, Piano, Elec. Piano, Harpsichord, Vibes, Jazz Guitar, Steel Guitar, Koto, Music Box, On/Off, Duet, Sustain (1, 2), Chorus, To Lower (Key Split), Bright, Mellow, Slow, Fast, Volume

**Solo Voice Section** Trumpet, Trombone, Horn, Saxophone, Violin, Jazz Flute, Piccolo, Oboe, Elec. Guitar, Percus, Plucksynth, Popsynth, Bluesynth, Slapsynth (1, 2), Synth-vox, On/Off, Sustain, Bright, Mellow, Slow, Fast, Volume

### Rhythm Section

Disco, Pops, 16 Beat, Rock'n'Roll, Reggae, Country, Dixie, Swing, Slow Rock, Baroque, Salsa, Rhumba, Samba, Bossanova, March/Polka, Waltz, Large Group, Small Group, Tempo (◀, ▶), Fill In (1, 2, 3), Fill In Touch Bar, Synchro Start, Start, Stop, Intro./Ending/Rit., Volume, Tempo/Bar LED Indicators, Beat Lamps

**Custom Accompaniment Section** Custom (1, 2, 3), Program, Rhythm, Bass, Chord, Clear

**Auto Bass Chord Section** Off, Single Finger, Fingered, Manual Bass, Memory, Bass Volume, Chord Volume

**Keyboard Percussion** Latin Instruments (11): Timbale (Low, High), Conga (Low, High), Bongo, Cuica (Low, High), Claves, Cowbell, Agogo (Low, High); Drums (22): Bass, Tom (Low, Mid, High), Snare (Brush, Brush Roll, Rim Shot, Gate Echo, Heavy, Light), Hi-Hat (Closed, Pedal, Open), Cymbal (Ride, Crash), Electronic Tom (Low, Mid, High), Tambourine, Triangle (Closed, Open), Handclaps; Accent, Cancel, On/Off

**Music Programmer** Record: Solo, Orchestra, Accompaniment, Bass; Playback: Solo, Orchestra, Accompaniment, Bass; Pause, Off

**MIDI Mode** Send Channel Select, Receive Channel Select, Split Send Mode, Music Programmer Send Mode, Multi-channel Receive Mode, Channel Int./Ext. Select, Program Change Off, MIDI Clock Select, Local Off, Panel Data Send, Bulk Data Dump

**Data Storage** To Pack/Tape, From Pack/Tape

**Other Controls** Footswitch Function (Sustain, Start/Stop, Intro./Ending/Rit.), Pitch, Transposer, Master Volume, Power On/Off, Registration Memory (Program, 1, 2, 3)

**Input/Output Jacks** Headphones, Tape (In, Out), MIDI (In, Out), Footswitch, Optional In (L, R), Optional Out (L, R), Aux Out (L, R), Exp. Pedal, RAM Pack Socket, DC In (9—12 V)

**Amplification** 5 W × 2

**Speakers** 12 cm × 2

**Rated Voltage** DC 9 V (six 1.5 V SUM-1, D size, R-20 or equivalent batteries), PA-4 AC Power Adaptor (PA-40 for U.S.A.) or CA-1 Car Battery Adaptor

**Dimensions** (W × D × H) 913 mm × 331 mm × 96 mm (36" × 13" × 3-3/4")

**Weight** 7.2 kg (15 4/5 lbs.)

**Optional Accessories** L-2 or L-4 Stand, SCC-12 Soft Case, EP-1 Exp. Pedal, FC-5 Footswitch, HPE-5 or HPE-3 Headphones, RP-5 RAM Packs (32kB), PSC-3 and PSC-4 Connecting Cables, BC-6 Bench, PA-4 Power Adaptor (PA-40 for U.S.A.), CA-1 Car Battery Adaptor

Descriptions and photographs in this brochure are for information purposes only, and specifications are subject to change without notice. Since options may not be the same in every locale, please check with your Yamaha dealer.

## PSR-80

**Keyboard** 61 keys (C<sub>1</sub>—C<sub>6</sub>)

**Orchestra Voice Section** Brass (1, 2), Brass & Chimes, Clarinet, Strings, Jazz Organ, Pipe Organ, Cosmic, Piano, Elec. Piano, Harpsichord, Vibes, Jazz Guitar, Steel Guitar, Koto, Music Box, On/Off, Duet, Chorus, Sustain (1, 2), Bright, Mellow, Slow, Fast

**Solo Voice Section** Trumpet, Trombone, Violin, Percus, Plucksynth, Popsynth, Bluesynth, Slapsynth, On/Off

**Rhythm Section** Disco, Pops, 16 Beat, Rock'n'Roll, Reggae, Country, Dixie, Swing, Slow Rock, Baroque, Salsa, Rhumba, Samba, Bossanova, March/Polka, Waltz, Large Group, Small Group, Tempo (◀, ▶), Fill In (1, 2), Synchro Start, Start, Stop, Intro./Ending/Rit., Volume, Tempo Lamp

**Custom Accompaniment Section** Program, Clear, Rhythm, Bass, Chord, Play

**Auto Bass Chord Section** Off, Single Finger, Fingered, Manual Bass, Bass Volume, Chord Volume

**Keyboard Percussion** Latin Instruments (11): Timbale (Low, High), Conga (Low, High), Bongo, Cuica (Low, High), Claves, Cowbell, Agogo (Low, High); Drums (22): Bass, Tom (Low, Mid, High), Snare (Brush, Brush Roll, Rim Shot, Gate Echo, Heavy, Light), Hi-Hat (Closed, Pedal, Open), Cymbal (Ride, Crash), Electronic Tom (Low, Mid, High), Tambourine, Triangle (Closed, Open), Handclaps; Accent, Cancel, On/Off

**Chord Sequencer** Record, Playback

**MIDI Mode** Send Channel Select, Receive Channel Select, Split Send Mode, Music Programmer Send Mode, Multi-channel Receive Mode, Channel Int./Ext. Select, Program Change Off, MIDI Clock Select, Local Off, Panel Data Send, Bulk Data Dump

**Other Controls** Pitch, Transposer, Master Volume, Power On/Off

**Input/Output Jacks** Headphones, MIDI (In, Out), Footswitch, Optional In (L, R), Optional Out (L, R), Aux Out (L, R), Exp. Pedal, DC In (9—12 V)

**Amplification** 2.5 W × 2

**Speakers** 12 cm × 2

**Rated Voltage** DC 9 V (six 1.5 V SUM-1, D size, R-20 or equivalent batteries), PA-4 AC Power Adaptor (PA-40 for U.S.A.) or CA-1 Car Battery Adaptor

**Dimensions** (W × D × H) 913 mm × 331 mm × 96 mm (36" × 13" × 3-3/4")

**Weight** 6.9 kg (15 1/5 lbs.)

**Optional Accessories** L-2 or L-4 Stand, SCC-12 Soft Case, EP-1 Exp. Pedal, FC-5 Footswitch, HPE-5 or HPE-3 Headphones, PSC-3 Connecting Cable, BC-6 Bench, PA-4 Power Adaptor (PA-40 for U.S.A.), CA-1 Car Battery Adaptor



For details please contact:

**YAMAHA**  
YAMAHA CORPORATION  
P.O. Box 1, Hamamatsu, Japan